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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,942	02/28/2002	Brad Leedy	1767 4000-07000	4378
28003	7590	09/20/2006	EXAMINER	
SPRINT 6391 SPRINT PARKWAY KSOPHT0101-Z2100 OVERLAND PARK, KS 66251-2100			TSEGAYE, SABA	
			ART UNIT	PAPER NUMBER
			2616	

DATE MAILED: 09/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

11

Office Action Summary	Application No.		Applicant(s)	
	10/085,942		LEEDY, BRAD	
	Examiner		Art Unit	
	Saba Tsegaye		2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 July 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 3-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 14-18 is/are allowed.
- 6) ☒ Claim(s) 1,3,12 and 13 is/are rejected.
- 7) ☒ Claim(s) 5-11 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. This office action is in response to the amendment filed 07/10/06. Claims 1 and 3-18 are pending. Claims 14-18 are allowed. Claims 5-11 are objected.

Claim Rejections - 35 USC § 103

2. Claims 1, 3, 4 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bray et al. (US 5,577,113) in view of Li (US 2004/0202310 A1).

3. Regarding claims 1 and 12, Bray discloses a method for notifying a user device (user B) coupled to an integrated service hub (18, 22, 26, 30) that communication has been terminated with a remote device (user A) comprising:

receiving a disconnect signal) from the remote device into the integrated services hub (switch X sends SS7 SUS message to switch Y);

determining the status of the user device (switch Y determines that user B still off-hook);
and

when the user device is off-hook, relaying a call termination notification signal to the user device from the integrated services hub via a user device interface coupled to the user device (switch Y notifies user B, who is still off-hook via DAL 20, CPE 18; column 5, line 57- column 6, line 10).

However Bray does not expressly disclose wherein the call termination notification signal comprises temporarily placing the user device interface in a disabled state.

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Li teaches a subscriber line interface circuit (SLIC) 30 is coupled to a subscriber line 20. The SLIC supplies downstream signals to remote user through coder/decoder 40 and the SLIC receives downstream signals from remote users (see fig. 1). Fig. 4 shows that a standby state 410 is a low power mode that monitors the loop current during which voice transmission is disabled and the upstream data path is turned off.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to add a system that places the user device interface in a disabled state, such as that suggested by Li, to the system of Bray in order to reduce false hook detection and to conserve power.

Regarding claim 3, Bray discloses the method wherein the disconnect signal is received from the remote device (user A) by a network interface (24) within the integrated services hub (24, 26, 30).

Regarding claim 4, Bray does not disclose the method wherein the network interface is a WAN interface. Li teaches Internet Protocol packet-switched connections. It would have been obvious to one of ordinary skill in the art at the time the invention was made to use WAN interface, such as that suggested by Li, in the system of Bray in order to exchange voice, fax, and other forms of information that have traditionally been carried over the dedicated circuit-switched connections of the public switched telephone network (PSTN).

Regarding claim 13, Li discloses the method wherein the user device interface is a SLIC (fig.1, 30).

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Allowable Subject Matter

4. Claims 14-18 are allowed.
5. Claims 5-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

6. Applicant's arguments with respect to claims 1 and 3-18 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Saba Tsegaye whose telephone number is (571) 272-3091. The examiner can normally be reached on Monday-Friday (7:30-5:00), First Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on (571) 272-7629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ST
September 17, 2006



CHAU NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600